

; TOIG of: aaw96157 check: 8047 from: 1 to: 745
;
; ID AAW96157 standard; peptide; 745 AA.
; XX
; AC AAW96157;
; XX
; DT 27-APR-1999 (first entry)
; XX
; DE Human IKK-alpha.
; XX
; KW I-kappa-B kinase; IKK-alpha; gene expression; modulation; suppression;
; KW activation; tumour necrosis factor; TNF; interleukin-1; IL-1;
; KW TNF receptor associated factor; TRAF.
; XX
; OS Homo sapiens.
; XX
; PN WO9901541-A1.
; XX
; PD 14-JAN-1999.
; XX
; PF 01-JUL-1998; 98WO-US013782.
; XX
; PR 01-JUL-1997; 97US-00887115.
; PR 10-JUL-1997; 97US-00890854.
; XX
; PA (TULA-) TULARIK INC.
; XX
; PI Rothe M, Cao Z, Regnier C;
; XX
; DR WPI; 1999-106044/09.
; DR N-PSDB; AAX08918.
; XX
; PT Newly isolated human kinase IkappaB Kinase (IKK-~a) polypeptides - useful
; PT in screening for agents that modulate the interaction of an IKK
; PT polypeptide to a binding target and for modulating signal transduction
; PT involving IkappaB in a cell.
; XX
; PS Claim 1; Page 24-26; 32pp; English.
; XX
; CC I-kappa-B kinase (AAW96158), deletion mutants of it retaining I-kappa-B
; CC kinase activity and I-kappa-B polypeptides (comprising a six residue
; CC domain of I-kappa-B containing one of Ser32 and Ser36, and a candidate
; CC agent) can be used to screen for agents that modulate the interaction of
; CC an IKK polypeptide to a binding target. The modulation of the kinase
; CC activity of IKK-alpha forms a method for modulating signal transduction
; CC involving I-kappa-B in a cell. The IKK-alpha polypeptides are useful for
; CC generating oligonucleotide primers and probes for use in the isolation of
; CC natural IKK-alpha-encoding nucleic acids. The nucleic acids are useful as
; CC translatable transcripts, hybridization probes, polymerase chain reaction
; CC (PCR) probes and primers. Their diagnostic applications include IKK-alpha
; CC hybridization probes for identifying wild-type and mutant IKK-alpha
; CC alleles in clinical and laboratory samples. Therapeutic application
; CC includes the use of IKK- alpha nucleic acids for modulating cellular
; CC expression or intracellular concentration/availability of active IKK-
; CC alpha. Catalytically inactive IKK-alpha mutants suppress NF-kappa-B
; CC activation induced by tissue necrosis factor (TNF), interleukin-1 (IL-1)
; CC stimulation, TNF receptor-associated factor (TRAF) and NF-kappa-B-

; CC inducing kinase (NIK) oversuppression
; XX
; SQ Sequence 745 AA;
;
; AAW96157 Length: 745 September 22, 2004 16:08 Type: P Check: 8047 ..
aaw96157
MERPPGLRPGAGGPWEMRERLGTGGFGNVCLYQHRELDLKIAIKSCRLELSTKNRERWCHEIQIMKKLNH
ANVVKACDVPEELNLIHDVPLAMEYCSGGDLRKLLNKPenCCGLKESQILSLLSDIGSGIRYLHENKI
IHRDLKPENIVLQDVGGKIIHKIIDLGYAKDvdQGSLCTSFGVTLQYLAPELFENKPYTATVDYWSFGTM
VFECIAGYRPFLHHLQPFTWHEKIKKKDPKCIFACEEMSGEVRFSSHLQPQNSLCSLIVEPMENWLQLML
NWDPQQRGGPVDLTLKQPRCFVLMMDHILNLKIVHILNMTSAKIIISFLLPPDESLHSLQSRIERETGINTG
SQELLSETGISLDPRKPASQCVCVDGVRGCDSYMVYLFDKSKTVYEGPFASRSLSDCVNYIVQDSKIQLP
IQILRKVWAEAVHYVSGLKEDYSRLFQGQRAAMLSLLRYNANLTKMKNTLISASQQLKAKLEFFHKSIQLD
LERYSEQMTYGISSEKMLKAWKEMEEKAIHYAEVGVIGYLEDQIMSLHAEIMELQKSPYGRQGDLMESL
EQRAIDLYKQLKHRPDSHSDSTEMVKIIVHTVQSQDRVLKELFGHLSKLLGCKQKIIDLLPKVEVALS
NIKEADNTVMFMQGKRQKEIWHLLKIACTQSSARSLVGSSLEGAUTPQTSAWLPPTSAEHDHSLSCVVTP
QDGETSAQMIEENLNCLGLSTIIHEANEEQGNSMMNLDWSWLTE1

; Reverse Translation from the peptide AAW96157.

; Note: the original peptide AAW96157 contained at least one of
; the residues Arg, Ile, Leu, or Ser. The nucleic acid sequence
; thus contains ambiguous bases which may translate into amino acids
; other than the original amino acids.

AAW96157

ATGGARMGNCCNCCNGNYTNMGNCNGNGCNGGGNCCNTGGARATGMGNGARMGNYTNGGNACNG
GNGGNTTYGGNAAYGTNTGYYTNTAYCARCAYMGNARYTNGAYYTNAARATNGCNATNAARWSNTGYMG
NYTNGARYTNWSNACNAARAAYMGNARMGNTGGTGYCAYGARATNCARATNTGAARAARYTNAAYCAY
GCNAAYGTNGTNAARGCNTGYGAYGTNCCNGARGARYTNAAYATNTNATNCAYGAYGTNCCNYTNTNG
CNATGGARTAYTGYWSNGGGNGAYYTNGMNAARYTNTNAAYAACCGNGARAAYTGYTGYGGNYTNA
RGARWSNCARATNTWNSNYTNTWNSNGAYATNGGNWSNGNATNMGNTAYTNCAYGARAAYAACRATN
ATNCAYMGNAYYTNAARCCNGARAAYATNGTNTCARGAYGTNGGGNGNAARATNATNCAYAACRATN
TNGAYYTNGGNTAYGCNAARGAYGTNGAYCARGGNWSNYTNTGYACNWSNTTGTNGGNACNYTNCARTA
YYTNGCNCNGARYTNTTYGARAAYAACCNNTAYACNGCNACNGTNGAYTAYGGWSNTTGYGNACNATG
GTNTTYGARTGYATNGCNGGNTAYMGNCCNTYYTNCAYCAYYTNCARCCNTTYACNTGGCAYGARAARA
TNAARAARAARGAYCCNAARTGYATNTTYGCNTGYGARGARATGWSNGGGNGARGTNMGNTTYWSNWSNCA
YYTNCCNCARCCNAAYWSNYTNTGYWSNYTNTNGARCCNATGGARAAYTGGYTNCARYTNATGYTN
AAYTGGGAYCCNCARCARCARMGNNGGGNCNGTNGAYYTNAACNYTNAARCARCCNMGNTGYTTYGTNYTNA
TGGAYCAYATNYTNAAYYTNAARATNGTNCAYATNYTNAAYATGACNWSNGCNAARATNATNWSNTYYT
NYTNCCNCNGAYGARWSNYTNCAYWSNYTNCARWSNMGNATNGARMGNARACNGGNATNAAYACNGGN
WSNCARGARYTNYTNWSNGARACNGGNATWSNYTNGAYCCNMNAARCCNGCNWSNCARTGYTNTNG
AYGGNGTNMGNGGNTGYGAYWSNTAYATGGTNTAYYTNTTYGAYAARWSNAARACNGTNAYGARGGNCC
NTTYGCNWSNMGNWSNYTNWSNGAYTGYGTNAAYTAYATNGTNCARGAYWSNAARATNCARYTNCCNATN
ATNCARYTNMGNAARGTNTGGGNCARGCNGTNCAYTAYGTNWSNGGNYTNAARGARGAYTAYWSNMGNY
TNTTYCARGGNCARMGNCGNGCNATGYTNWSNYTNTMGNTAYAAYGCNAAYYTNAACNAARATGAARAA
YACNYTNAWNNGCNCARCARCARYTNAARGCNAARYTNGARTTYTTCAYAARWSNATNCARYTNAY
YTNGARMGNTAYWSNGARCARATGACNTAYGGNATNWSNWSNGARAARATGTYTNAARGCNGTGAARGARA
TGGARGARAARGCNATNCAYTAYGCNGARGTNGGNTATNGGNTAYYTNGARGAYCARATNATGWSNYT
NCAYCNGARATNATGGARYTNCARCARWSNCNTAYGGNMGNMGNMGCARGGGNAYYTNAARGARYTNTTYGGNCA
GARCARMGNCNATNGAYYTNTAYAARCARCARYTNAARCARCAYMGNCCWSNGAYCAYWSNTAYWSNGAYWSNA
CNGARATGGTNAARATNATNGTNCAYACNGTNCARWSNCARGAYMGNGTNYTNAARGARYTNTTYGGNCA
YYTNWSNAARYTNYTNGGNTGYAARCARAARATNATNGAYYTNYTNCNAARGTNGARGTNGCNYTNWSN
AAyatNAARGARGCNGAYAAYACNGTNATGTTYATGCARGGNAARMGNCARAARGARATNTGGCAYYTNY
TNAARATNGCNGTGYACNCARWSNWSNGCMGNWSNYTNGTNGGNWSNWSNYTNGARGGNGCNGTNACNCC
NCARACNWSNGCNGTGGYTNCCNCCNAWSNGCNGARCARCAYGAYCAYWSNYTWSNTGYGTNGTNACNCC
CARGAYGGNGARACNWSNGCNCARATGATNGARGARAAYYTNAAYTGYYTNGNCAYYTNAWSNACNATNA
TNCAYGARGCNAAYGARGARCARCGNAAYWSNATGATGAAYYTNGAYTGGWSNTGGYTNACNGAR1

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ATGGARMGNCCNCNGNYTNMGNCNGNGCNGNGNCCNTGGARATGMGNGARMGNYTNGGN
ACNG
GNNGNTTYGGNAAYGTNTGYYTNTAYCARCAYMNGARYTNGAYYTNAARATNGCNATNAARWSNT
GYMG
NYTNGARYTNWSNACNAARAAYMNGARMGNTGGTGYCAYGARATNCARATNATGAARAARYTNAA
YCAY
GCNAAYGTNGTNAARGCNTGYGAYGTNCCNGARGARYTNAAYATNYTNATNCAYGAYGTNCCNYTN
YTNG
CNATGGARTAYTGYWSNGGNGGNGAYYTNGNAARYTNYTNAAYAARCCNGARAAYTGYTGYGGNY
TNAA
RGARWSNCARATNYTNWSNYTNYTNWSNGAYATNGGNWSNGGNATNMGNTAYYTNCAYGARAAYAA
RATN
ATNCAYMNGAYYTNAARCCNGARAAYATNGTNYTNCARGAYGTNGGNGNAARATNATNCAYAAR
ATNA
TNGAYYTNGNTAYGCNAARGAYGTNGAYCARGGNWSNYTNTGYACNWSNTTYGTNGGNACNYTNC
ARTA
YYTNGCNCNGARYTNTTYGARAAYAARCCNTAYACNGCNACTNGAYTAYTGGWSNTTYGGNAC
NATG
GTNTTYGARTGYATNGCNGNTAYMGNCNTYYTNCAYCAYYTNCARCCNTTYACNTGGCAYGAR
AARA
TNAARAARAARGAYCCNAARTGYATNTTYGCNTGYGARGARATGWSNGGNGARGTNMGNTTYWSNW
SNCA
YYTNCCNCARCCNAAYWSNYTNTGYWSNYTNATNGTNGARCCNATGGARAAYTGGYTNCAKYTNAT
GYTN
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YTNG
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GNCC
NTTYGCNWSNMGNWSNYTNWSNGAYTGYGTNAAYTAYATNGTNCARGAYWSNAARATNCARYTNCC
NATN
ATNCARYTNMGNAARGTNTGGCNGARGCNGTNCAYTAYGTNWSNGGNYTNAARGARGAYTAYWSN
MGNY

TNTTYCARGNCARMNGCNGCNATGYTNWSNYTNMGNTAYAAYGCNAAYYTACNAARATGA
ARAA
YACNYTNATNWSNGCNWSNCARCARYTNAARGCNAARYTNGARTTYTTYCAYAARWSNATNCARYT
NGAY
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NYTN
GARCARMGNCNATNGAYYTNTAYAARCARYTNAARCAYMGNCNWSNGAYCAYWSNTAYWSNGAY
WSNA
CNGARATGGTNAARATNATNGTNCAYACNGTNCARWSNCARGAYMNGTNYTNAARGARYTNTTYG
GNCA
YYTNWSNAARYTNYTNGGNTGYAARCARAARATNATNGAYYTNYTNCCNAARGTNGARGTNGCNYT
NWSN
AAYATNAARGARGCNGAYAAYACNGTNATGTTYATGCARGGNAARMGNCARAARGARATNTGGCAY
YTNY
TNAARATNGCNTGYACNCARWSNWSNGCNMGNWSNYTNGTNGGNWSNWSNYTNGARGGNGCNGTNA
CNCC
NCARACNWSNGCNTGGYTNCNCCNACNWSNGCNGARCAYGAYCAYWSNYTNWSNTGYGTNGTNAC
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TNCAYGARGCNAAYGARGARCARGNAAYWSNATGATGAAYYTNGAYTGGWSNTGGYTNAENGAR1